

**METHOD OF SELF ENHANCEMENT OF SEARCH**  
**RESULTS THROUGH ANALYSIS OF SYSTEM LOGS**

**ABSTRACT**

An automatic search index/meta data self-enhancement system includes a search system  
5 log analyzer, which periodically looks through the search system log, of a database, for search  
queries that did not bring satisfactory results; a search query analyzer which applies query  
enhancement techniques to the unsatisfactory queries by using glossary terms, synonyms, known  
typos, translated words, etc. to enhance the queries and categorize them; a relevant document  
finder which, based on the enhanced query terms and their categorization and subject, uncovers  
10 documents that were not previously found and links the documents to the query terms in the  
search index; and a search index/meta data enhancer, that enhances the meta/data of the  
documents based on the enhanced query terms in the search index, to reflect these new keywords  
to allow documents turned up by the enhanced query to be returned when similar future searches  
are entered by users.